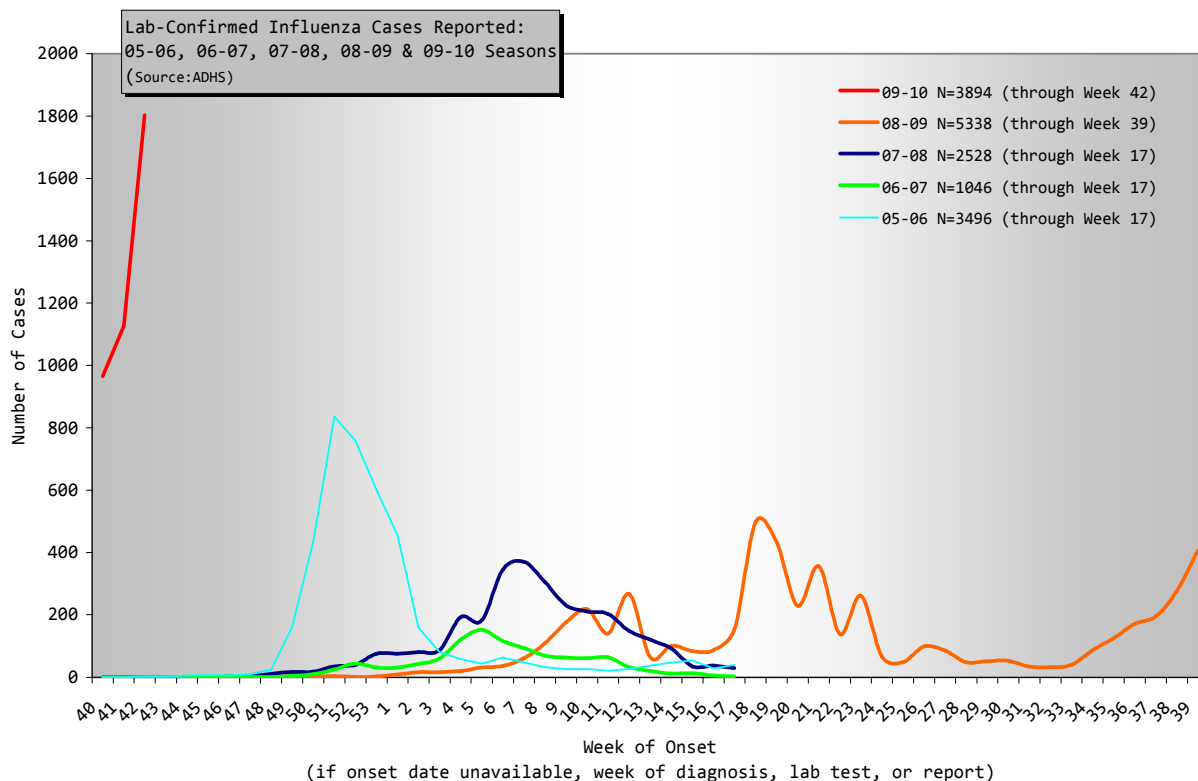


## MARICOPA COUNTY INFLUENZA SUMMARY UPDATE

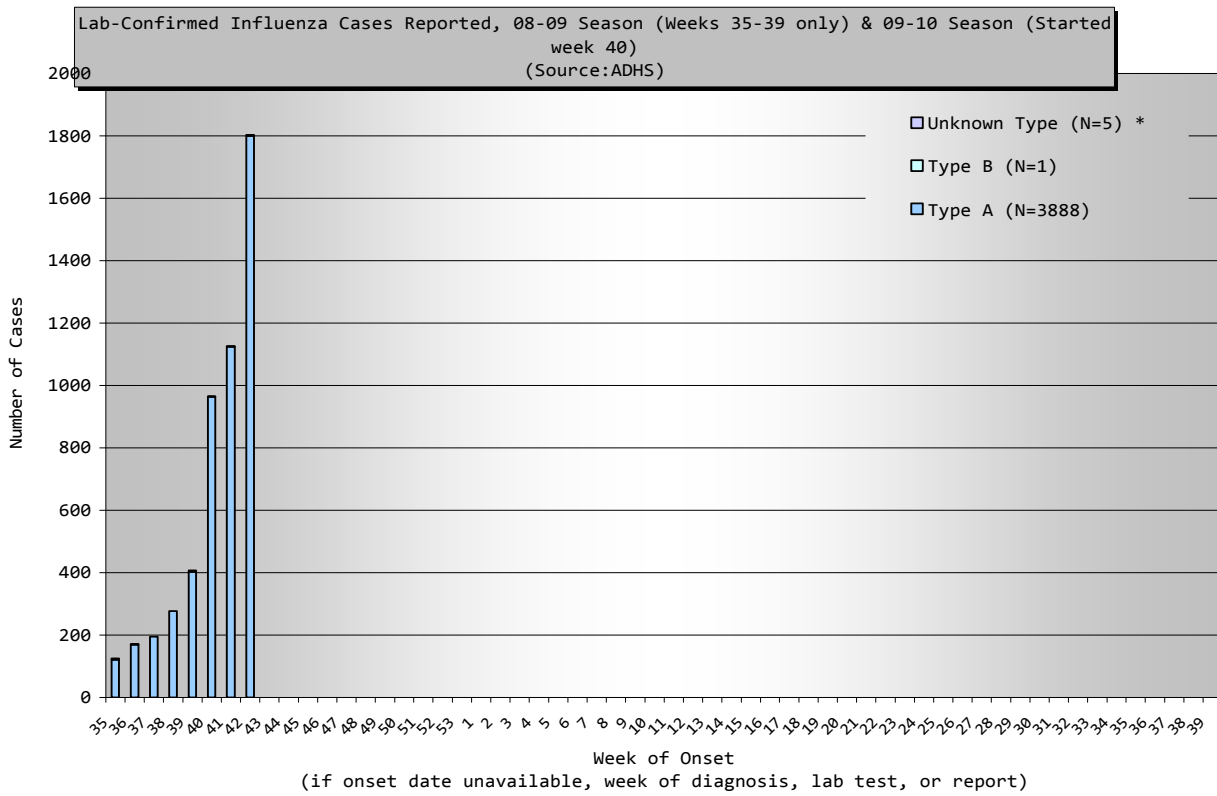
### WEEK 42 (10/18/09-10/24/09)

Data contained in this report reflect the time period above with the exception of School Syndromic Surveillance and Selected Emergency Departments which show more current data.

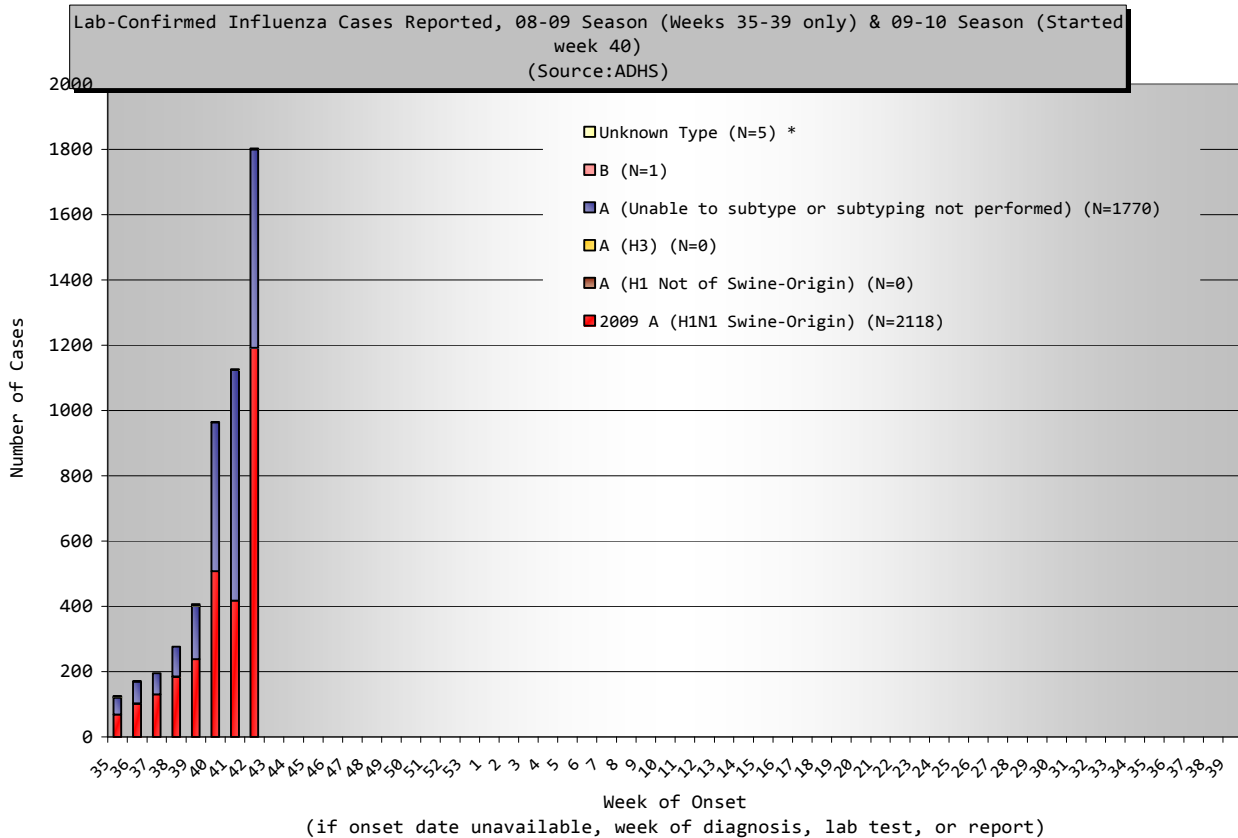
- **Lab Confirmed Influenza:** 3894 cases of influenza have been confirmed at the Arizona State Laboratory (Through week 42)
- **Pneumonia & Influenza Mortality:** 5.79% of all deaths were due to pneumonia or influenza (Week 42) (MCDPH Office of Vital Statistics)
- **Influenza-Like Illness (ILI)** (Through week 42)
  - **Cigna Health Centers** (n=20): 1.09% of visits due to ILI. (provisional data; subject to change as updated information becomes available)
  - **Hospital Emergency Departments** (n=17): 4.51% of visits were due to ILI.
- **Selected Emergency Department (ED) Visits:** (n=6)
  - 1.11% of all visits were due to ILI (As of 10/30/2009)
  - 15.34% of all visits were due to a respiratory syndrome (As of 10/30/2009).
- **School Syndromic Surveillance:** 1.1% of students were absent due to ILI during week 43. (72-school average)



\*(N=X) represents confirmed influenza cases for the 2009-2010 season only. (Starting week 40)



\*(N=X) represents confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

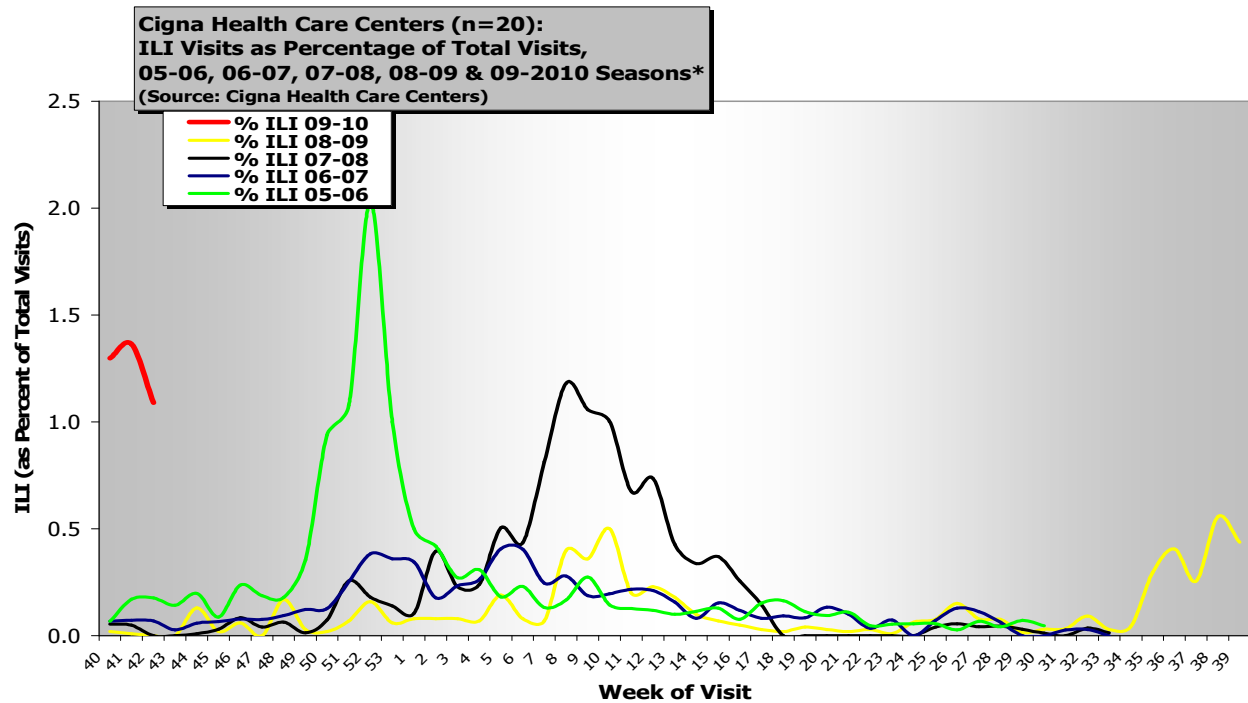


\*(N=X) represents confirmed influenza cases for the 2009-2010 season only. (Starting week 40)

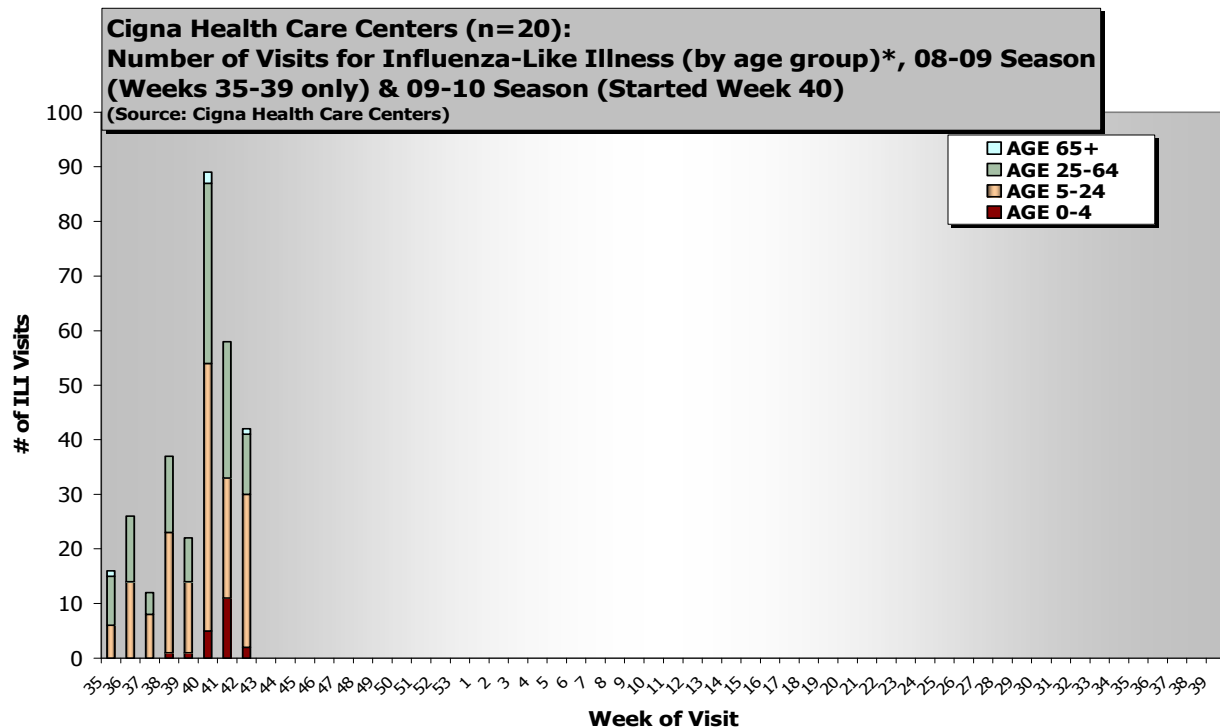
## Influenza-Like Illness (ILI)\* Surveillance

\*ILI case definition: fever (at least 100°F) AND cough and/or sore throat.

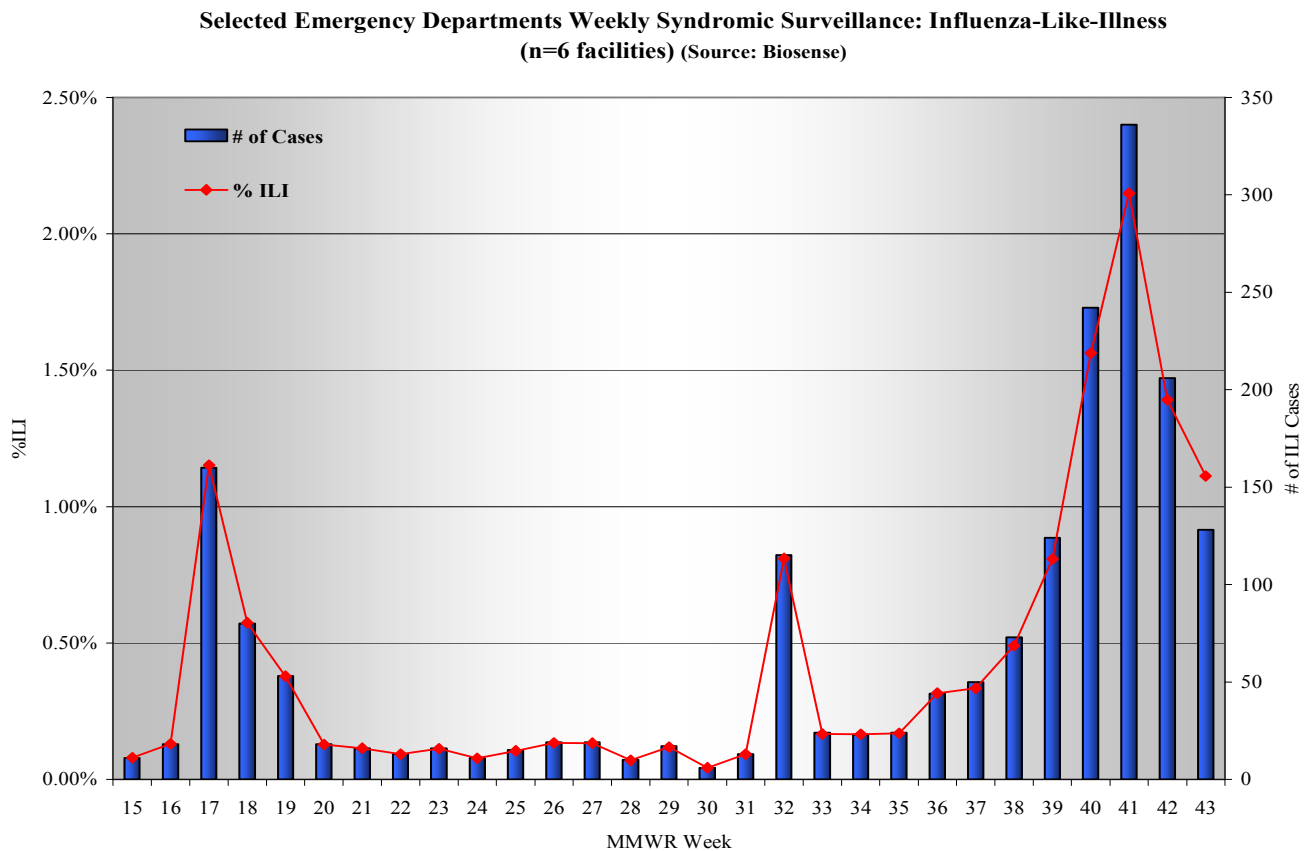
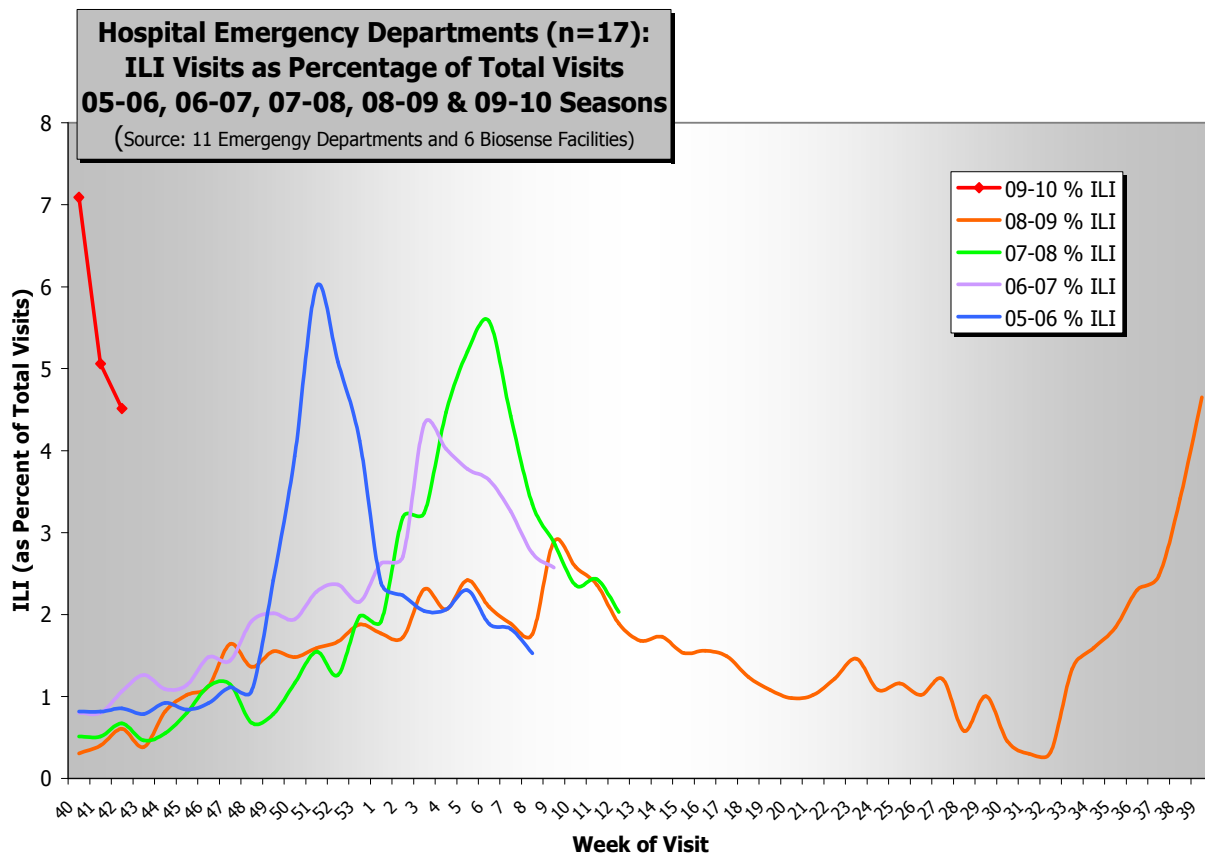
- During Week 42, 1.09% of patient visits to Cigna Health Care Centers (data from 20 centers, six departments) were due to ILI. During Week 42 of the two previous seasons, 0.00% (08-09) and 0.07% (07-08) of patient visits to Cigna Health Care Centers were due to ILI. (\*Provisional data; may change in subsequent reports as updated information becomes available.)
- The percentage of Emergency Department visits for ILI (data from 17 hospitals) was 4.51% for Week 42.



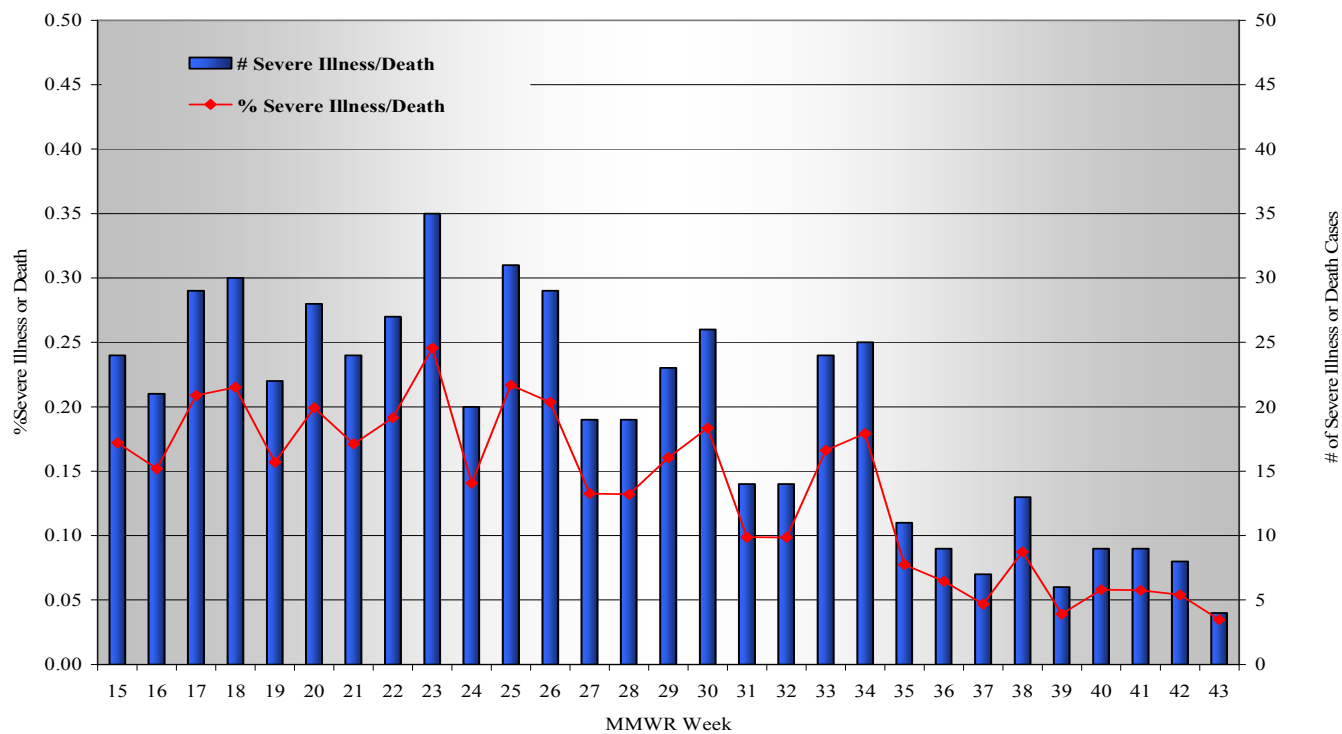
\*Data may change in subsequent reports as updated information becomes available.



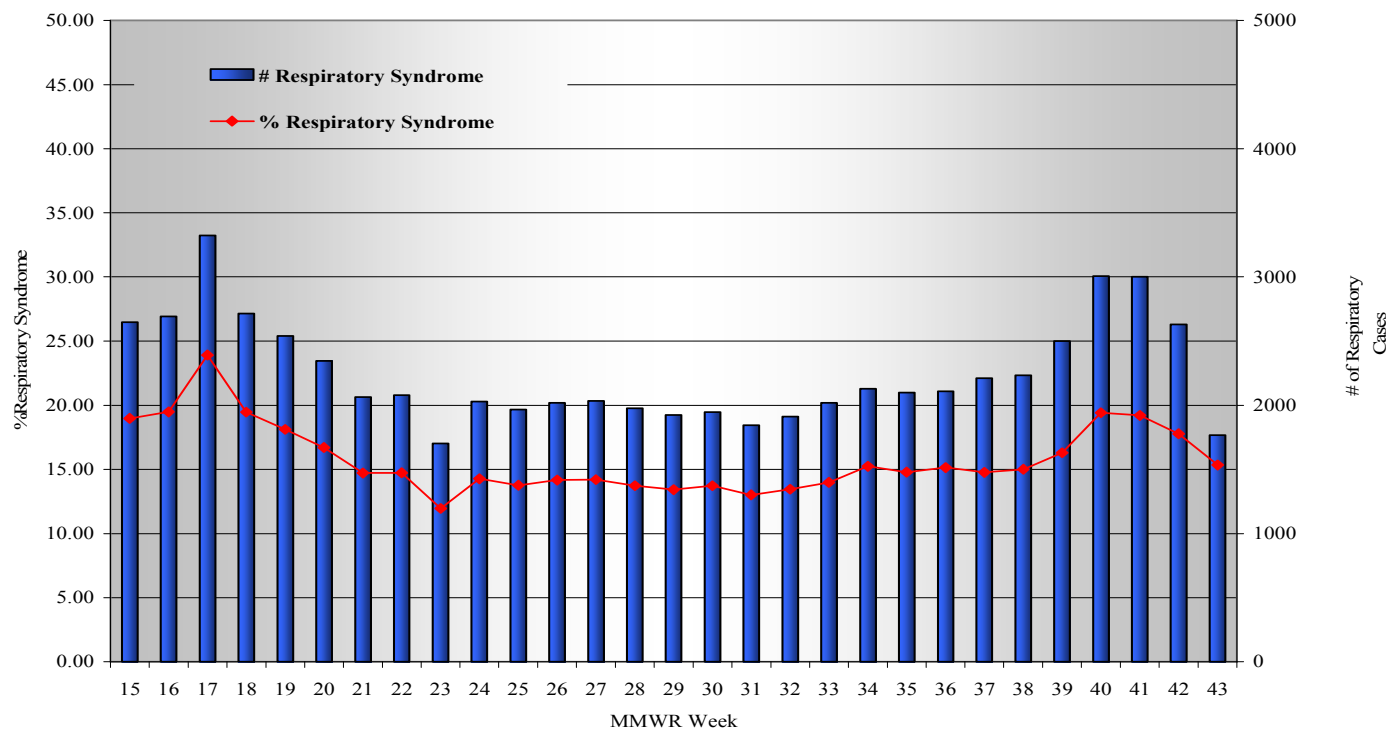
\*Data may change in subsequent reports as updated information becomes available.



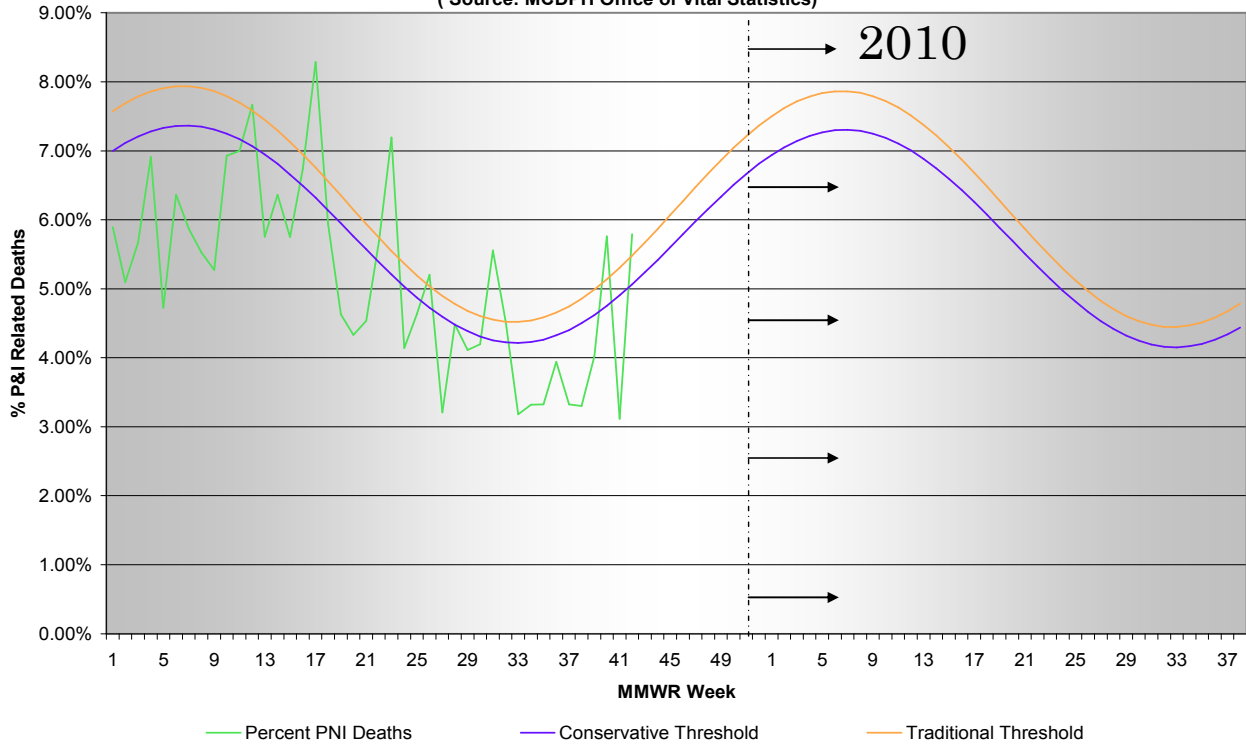
**Selected Emergency Departments Weekly Syndromic Surveillance: Severe Illness or Deaths**  
(n=6 facilities) (Source: Biosense)



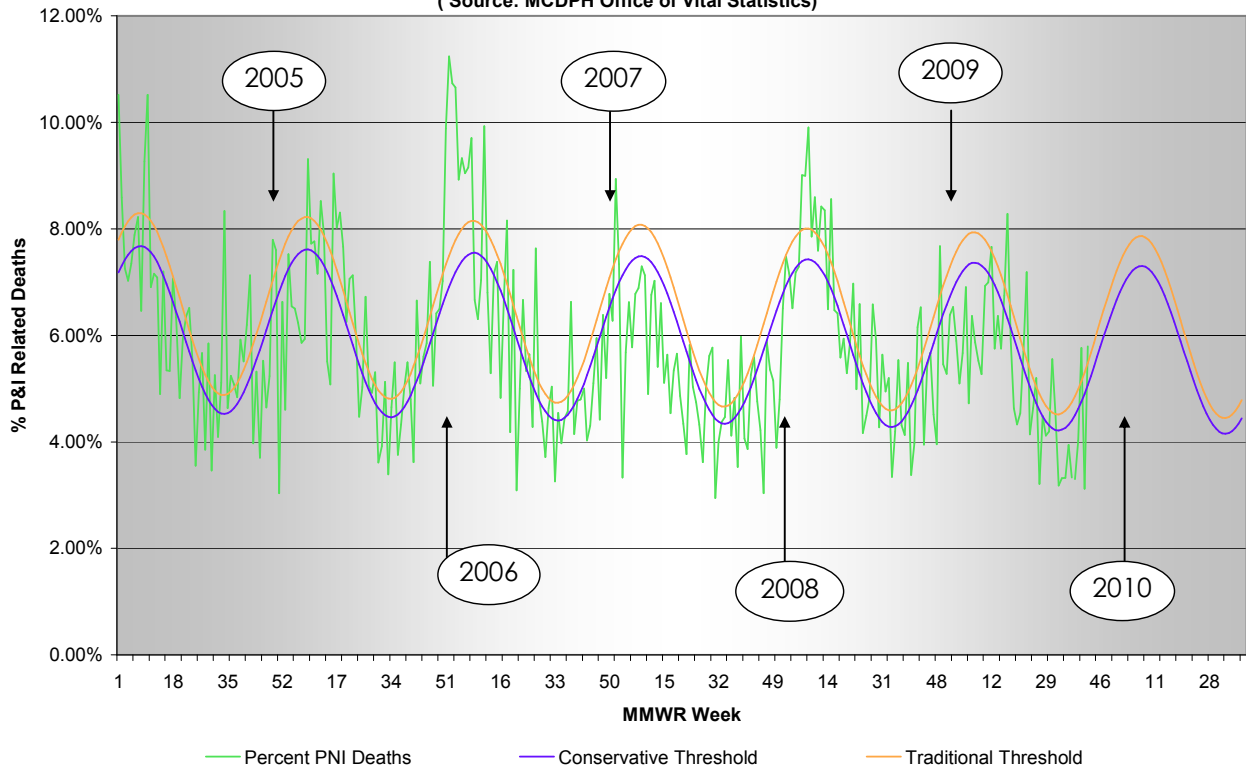
**Selected Emergency Departments Weekly Syndromic Surveillance: Respiratory**  
(n=6 facilities) (Source: Biosense)



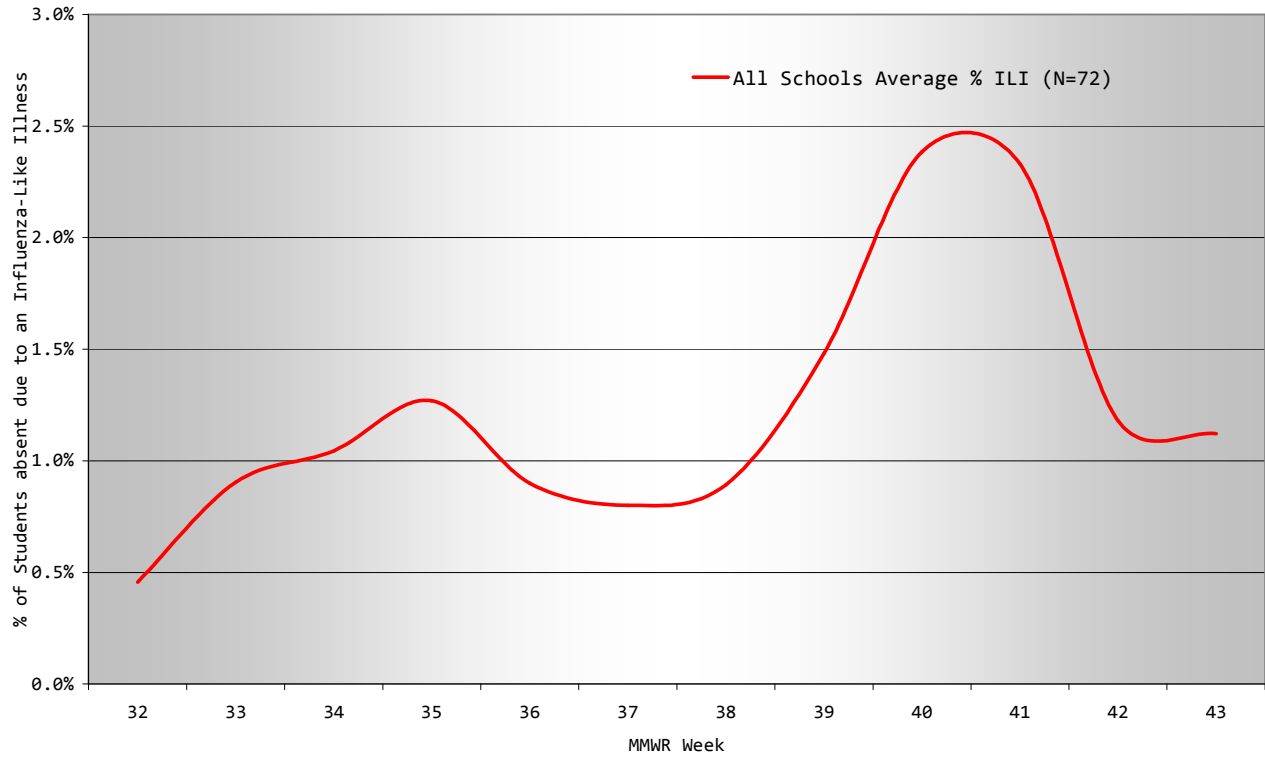
**Maricopa County 2009-2010**  
**Pneumonia and Influenza Related Deaths**  
 ( Source: MCDPH Office of Vital Statistics)



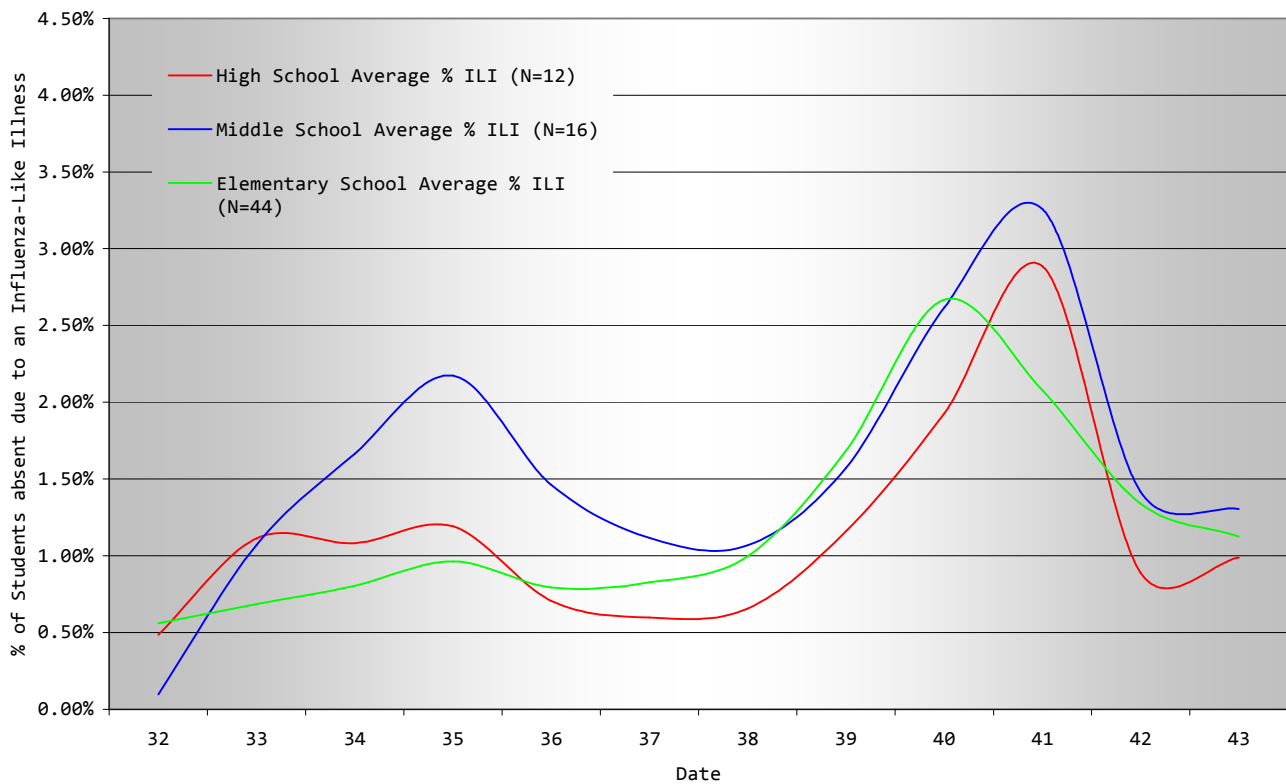
**Maricopa County 2004-2009**  
**Pneumonia and Influenza Related Deaths**  
 ( Source: MCDPH Office of Vital Statistics)



Maricopa County 2009-2010:  
School ILI Surveillance by MMWR Week (N=72 Schools)



Maricopa County 2009-2010:  
School ILI Surveillance by MMWR Week and Type of School



***Influenza Activity outside Maricopa County***

Information on influenza activity outside Maricopa County is available at these sites:

- [http://azdhs.gov/phs/oids/epi/flu/az\\_flu\\_surv.htm](http://azdhs.gov/phs/oids/epi/flu/az_flu_surv.htm) (Arizona Department of Health Services)
- <http://www.cdc.gov/flu/weekly/fluactivity.htm> (CDC)

*Due to wide variability between national- and local-level data, it is not appropriate to apply any national baselines or thresholds to the information represented in this report.*

Please email any questions about this report to: [dereksteinke@mail.maricopa.gov](mailto:dereksteinke@mail.maricopa.gov).

Report generated: 10/30/09.

***Influenza Surveillance Participants include:***

**Arizona Department of Health Services**

**Cigna Health Care Centers**

**Arizona State University Campus Health Services**

**Local Hospital Emergency Departments & Infection Control Practitioners**

**Maricopa County Public Schools (72 randomly selected)**